

S-BPM ONE 2009

Constitutional convention

Karlsruhe, October 22nd 2009

Host: Prof. Dr. D. Seese, KIT, Institute AIFB

INSTITUTE OF APPLIED INFORMATICS AND
FORMAL DESCRIPTION METHODS (AIFB)



Unique Cooperation

Karlsruhe Institute of Technology (KIT):

The cooperation of
Forschungszentrum Karlsruhe GmbH
and Universität Karlsruhe (TH)



Two Strong Partners

Forschungszentrum Karlsruhe:

- § Programmatic research on highest international level
- § One of the largest and most successful science and engineering research institutions in Europe
- § Member of the Helmholtz Association of National Research Centers

Universität Karlsruhe (TH):

- § Winner of the Excellence Initiative 2006 launched by the Federal Republic of Germany and the federal states
- § One of the universities strongest in research worldwide
- § Highest acquisition of DFG third-party funds per capita in Germany



Common Objective

Positioning as an institution of excellent research and lecturing in natural and engineering sciences on an international scale, with worldwide top scientific excellence in



■ Research



■ Teaching



■ Innovation

Competence Portfolio

Excellent research is based above all on the skills and knowledge of the scientific employees.

In KIT these scientists will work in fields of competence depending on their expert know-how. Related fields of competence are bundled in competence areas.

Fields of competence and competence areas make up the competence portfolio of KIT. It is dynamic and will develop and take up new scientific topics.



Competence Portfolio

30 Fields of Competence Bundled in 6 Areas of Competence

Matter and Materials	Earth and Environment	Applied Life Sciences
<ul style="list-style-type: none"> • Elementary Particle and Astroparticle Physics • Condensed Matter • Nanoscience • Microtechnology • Optics and Photonics • Applied and New Materials 	<ul style="list-style-type: none"> • Atmosphere and Climate • Geosphere and Risk Management • Hydrosphere and Environmental Engineering • Constructed Facilities and Urban Infrastructure 	<ul style="list-style-type: none"> • Biotechnology • Toxicology and Food Science • Health and Medical Engineering • Cellular and Structural Biology
Systems and Processes		
<ul style="list-style-type: none"> • Fluid and Particle Dynamics • Chemical and Thermal Process Engineering • Fuels and Combustion 		<ul style="list-style-type: none"> • Systems and Embedded Systems • Power Plant Technology • Product Life Cycle • Mobile Systems and Mobility Engineering
Information, Communication, and Organization	Technology, Culture, and Society	
<ul style="list-style-type: none"> • Algorithm, Software, and System Engineering • Cognition and Information Engineering • Communication Technology • High-Performance and Grid Computing • Mathematical Models • Organization and Service Engineering 	<ul style="list-style-type: none"> • Cultural Heritage and Dynamics of Change • Business Organization and Innovation • Interaction of Science and Technology with Society 	

Innovative Research Structures

KIT-Centers:

- § Energy
- § Nano & Micro Science and Technology
- § Elementary Particle and Astroparticle Physics
- § Climate and Environment

KIT-Focuses:

- § COMMputation
- § Mobility Systems¹
- § Optics and Photonics¹
- § Humans and Technology¹
- § Applied and New Materials²

(1) Foundation in 2009

(2) Foundation presumably in
2009



Figures



Agenda Morning Session

8.30 a.m. – 9.00 a.m.	Welcome Coffee	Room B
9.00 a.m. – 9.45 a.m.	Key Note Prof. Dr. L. Heuser, SAP Research	Room A
9.45 a.m. – 11.30 a.m.	Why S-BPM? – 5 points of view 5 power speeches of participants <ul style="list-style-type: none"> • Hagen Buchwald, KIT, Institute AIFB The Power of as-is processes • Dr. Christian Fichtenbauer, University of Linz The missing link between individuals and machines in regard to truth • Prof. Dr. Werner Schmidt, HS Ingolstadt SOUL initiative • Dr. Erwin Aitenbichler, TU Darmstadt tbd • Prof. Zinser, Prof. Singer, FH Joanneum Graz S-BPM in research and education 	Room A
11.30 a.m. – 12.00 a.m.	Power Speeches Panel Discussion moderated by Prof. Dr. D. Seese, KIT, AIFB	Room A
12.00 a.m. – 1.00 p.m.	Lunch	KIT “update”

Agenda Afternoon Session

1.00 p.m. – 1.45 p.m.	What is S-BPM? Dr. A. Fleischmann, jCOM1	Room A
1.45 p.m. – 2.30 p.m.	Case Study I : Process as a Service A. Kramm, VALIAL Solutions	Room A
2.30 p.m. – 3.15 p.m.	Case Study II : AST – Order Control Process G. Konjack, M. Heckmaier, FITS	Room A
3.15 p.m. – 3.45 p.m.	Coffee Break	Room B
3.45 p.m. – 4.30 p.m.	Potential building blocks of a roadmap to S-BPM H. Buchwald, KIT, Institute AIFB	Room A
4.30 p.m. – 5.20 p.m.	S-BPM – so what? – 5 points of view World Café with all participants, moderated by Prof. Dr. Christian Stry, JKU Linz	Room A
5.20 p.m. – 5.50 p.m.	Power Presentation per Table Prof. Dr. Christian Stry, JKU Linz and Table Owners	Room A
5.50 p.m. – 6.00 p.m.	Epilogue Prof. Dr. D. Seese, KIT, Institute AIFB	Room A
7.00 p.m. – 9.00 p.m.	Conference Dinner at Renaissance Hotel	